RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10 565,009

Source: JFW

Date Processed by STIC: 8/18/06

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IFWO

RAW SEQUENCE LISTING   DATE: 08/18/2006
PATENT APPLICATION: US/10/565,009   TIME: 09:05:17

Input Set : A:\2006-08-07 3493-0157PUS1.txt
Output Set: N:\CRF4\08182006\J565009.raw

```
   3 <110> APPLICANT: PINEL Anne-Marie
   4        HOCQUAUX Michel
   6 <120> TITLE OF INVENTION: NOVEL PEPTIDIC CONJUGATES FOR ALOPECIA PREVENTIVE
   7        AND CURATIVE TREATMENT
   9 <130> FILE REFERENCE: 3493-0157PUS1
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/565,009
C--> 12 <141> CURRENT FILING DATE: 2006-01-18
  14 <150> PRIOR APPLICATION NUMBER: FR 03/08797
  15 <151> PRIOR FILING DATE: 2003-07-18
  17 <160> NUMBER OF SEQ ID NOS: 12
  19 <170> SOFTWARE: PatentIn version 3.2
  21 <210> SEQ ID NO: 1
  22 <211> LENGTH: 11
  23 <212> TYPE: PRT
  24 <213> ORGANISM: Artificial sequence
  26 <220> FEATURE:
  27 <223> OTHER INFORMATION: Synthetic Peptide
  29 <220> FEATURE:
  30 <221> NAME/KEY: misc_feature
  31 <222> LOCATION: (1)..(3)
  32 <223> OTHER INFORMATION: Xaa can be Glu-Gln-Arg, Arg-Lys, Arg-Lys-Asp
  33        sequences or Arg amino acid or a bond and up to
  34        3 residues may be present or absent
  36 <220> FEATURE:
  37 <221> NAME/KEY: misc_feature
  38 <222> LOCATION: (7)..(11)
  39 <223> OTHER INFORMATION: Xaa can be Tyr-Val-Gln-Leu-Tyr-Amide, Leu-DOPA sequences,
  40        the amino acids Dopa amide or HomoPhe amide and up to 4
  41        residues may be present or absent
  44 <400> SEQUENCE: 1
W--> 46 Xaa Xaa Xaa Lys Asp Val Xaa Xaa Xaa Xaa Xaa
  47 1               5                  10
  50 <210> SEQ ID NO: 2
  51 <211> LENGTH: 11
  52 <212> TYPE: PRT
  53 <213> ORGANISM: Artificial sequence
  55 <220> FEATURE:
  56 <223> OTHER INFORMATION: Synthetic Peptide
  58 <220> FEATURE:
  59 <221> NAME/KEY: misc_feature
  60 <222> LOCATION: (1)..(3)
  61 <223> OTHER INFORMATION: Xaa can be Gly-Gln-Gln or Glu-Gln sequences and up to
  62        1 residue may be present or absent
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 64 <220> FEATURE:
 65 <221> NAME/KEY: misc_feature
 66 <222> LOCATION: (7)..(11)
 67 <223> OTHER INFORMATION: Xaa can be Tyr-Val-Gln-Leu-Tyr-Amide, Leu-DOPA, Val-Tyr,
 68       Val-Tyr-amide sequences, or the amino acids Tyr, Tyr amide,
 69       Dopa amide or HomoPhe amide amide and up to 4 residues may
 70       be present or absent
 72 <400> SEQUENCE: 2
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W--> 74 Xaa Xaa Xaa Lys Asp Val Xaa Xaa Xaa Xaa Xaa
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 75 1               5                   10
 78 <210> SEQ ID NO: 3
 79 <211> LENGTH: 11
 80 <212> TYPE: PRT
 81 <213> ORGANISM: Artificial sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: Synthetic Peptide
 86 <220> FEATURE:
 87 <221> NAME/KEY: MOD_RES
 88 <222> LOCATION: (1)..(1)
 89 <223> OTHER INFORMATION: BLOCKED
 91 <220> FEATURE:
 92 <221> NAME/KEY: misc_feature
 93 <222> LOCATION: (1)..(3)
 94 <223> OTHER INFORMATION: Xaa can be Glu-Gln-Arg, Arg-Lys, Arg-Lys-Asp sequences
 95       or Arg amino acid or a bond and up to 3 residues may
 96       be present or absent
 98 <220> FEATURE:
 99 <221> NAME/KEY: misc_feature
100 <222> LOCATION: (7)..(11)
101 <223> OTHER INFORMATION: Xaa can be Tyr-Val-Gln-Leu-Tyr-Amide, Leu-DOPA sequences,
102       the amino acids Dopa amide or HomoPhe amide and up to 4
103       residues may be present or absent
106 <400> SEQUENCE: 3
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W--> 108 Xaa Xaa Xaa Lys Asp Val Xaa Xaa Xaa Xaa Xaa
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109 1               5                   10
112 <210> SEQ ID NO: 4
113 <211> LENGTH: 11
114 <212> TYPE: PRT
115 <213> ORGANISM: Artificial sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: Synthetic Peptide
120 <220> FEATURE:
121 <221> NAME/KEY: MOD_RES
122 <222> LOCATION: (1)..(1)
123 <223> OTHER INFORMATION: BLOCKED
125 <220> FEATURE:
126 <221> NAME/KEY: misc_feature
127 <222> LOCATION: (1)..(3)
128 <223> OTHER INFORMATION: Xaa can be Gly-Gln-Gln or Glu-Gln sequences and up to
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```
129        1 residue may be present or absent
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (7)..(11)
134 <223> OTHER INFORMATION: Xaa can be Tyr-Val-Gln-Leu-Tyr-Amide, Leu-DOPA,Val-Tyr,
135        Val-Tyr-amide sequences, or the amino acids Tyr, Tyr
136        amide, Dopa amide or HomoPhe amide and up to 4 residues
137        may be present or absent
139 <400> SEQUENCE: 4
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W--> 141 Xaa Xaa Xaa Lys Asp Val Xaa Xaa Xaa Xaa Xaa
```
142 1              5                  10
147 <210> SEQ ID NO: 5
148 <211> LENGTH: 5
149 <212> TYPE: PRT
150 <213> ORGANISM: Artificial sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Synthetic Peptide
155 <220> FEATURE:
156 <221> NAME/KEY: MOD_RES
157 <222> LOCATION: (1)..(1)
158 <223> OTHER INFORMATION: BLOCKED
160 <220> FEATURE:
161 <221> NAME/KEY: MOD_RES
162 <222> LOCATION: (5)..(5)
163 <223> OTHER INFORMATION: AMIDATION
165 <220> FEATURE:
166 <221> NAME/KEY: misc_feature
167 <222> LOCATION: (5)..(5)
168 <223> OTHER INFORMATION: Xaa = homophenylalanine amide.
170 <400> SEQUENCE: 5
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173 1              5
176 <210> SEQ ID NO: 6
177 <211> LENGTH: 4
178 <212> TYPE: PRT
179 <213> ORGANISM: Artificial sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Synthetic Peptide
184 <220> FEATURE:
185 <221> NAME/KEY: MOD_RES
186 <222> LOCATION: (1)..(1)
187 <223> OTHER INFORMATION: BLOCKED
189 <220> FEATURE:
190 <221> NAME/KEY: MOD_RES
191 <222> LOCATION: (4)..(4)
192 <223> OTHER INFORMATION: AMIDATION
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (4)..(4)
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RAW SEQUENCE LISTING   DATE: 08/18/2006
PATENT APPLICATION: US/10/565,009   TIME: 09:05:17

Input Set : **A:\2006-08-07 3493-0157PUS1.txt**
Output Set: **N:\CRF4\08182006\J565009.raw**

```
        197 <223> OTHER INFORMATION: Xaa = dihydrophenylalanine amide.
        199 <400> SEQUENCE: 6
W--> 201 Lys Asp Val Xaa
        202 1
        205 <210> SEQ ID NO: 7
        206 <211> LENGTH: 5
        207 <212> TYPE: PRT
        208 <213> ORGANISM: Artificial sequence
        210 <220> FEATURE:
        211 <223> OTHER INFORMATION: Synthetic Peptide
        213 <220> FEATURE:
        214 <221> NAME/KEY: MOD_RES
        215 <222> LOCATION: (1)..(1)
        216 <223> OTHER INFORMATION: BLOCKED
        218 <220> FEATURE:
        219 <221> NAME/KEY: MOD_RES
        220 <222> LOCATION: (5)..(5)
        221 <223> OTHER INFORMATION: AMIDATION
        223 <220> FEATURE:
        224 <221> NAME/KEY: misc_feature
        225 <222> LOCATION: (5)..(5)
        226 <223> OTHER INFORMATION: Xaa = dihydrophenylalaline amide.
        228 <400> SEQUENCE: 7
W--> 230 Arg Lys Asp Val Xaa
        231 1                5
        234 <210> SEQ ID NO: 8
        235 <211> LENGTH: 6
        236 <212> TYPE: PRT
        237 <213> ORGANISM: Artificial sequence
        239 <220> FEATURE:
        240 <223> OTHER INFORMATION: Synthetic Peptide
        242 <220> FEATURE:
        243 <221> NAME/KEY: misc_feature
        244 <222> LOCATION: (1)..(3)
        245 <223> OTHER INFORMATION: Xaa is Lys or MeLys and up to two residues may be present
        246       or absent
        248 <400> SEQUENCE: 8
W--> 250 Xaa Xaa Xaa Gly His Lys
        251 1                5
        254 <210> SEQ ID NO: 9
        255 <211> LENGTH: 6
        256 <212> TYPE: PRT
        257 <213> ORGANISM: Artificial sequence
        259 <220> FEATURE:
        260 <223> OTHER INFORMATION: Synthetic Peptide
        262 <220> FEATURE:
        263 <221> NAME/KEY: misc_feature
        264 <222> LOCATION: (1)..(3)
        265 <223> OTHER INFORMATION: Xaa is Lys or MeLys and up to two residues may be present
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RAW SEQUENCE LISTING   DATE: 08/18/2006
PATENT APPLICATION: US/10/565,009   TIME: 09:05:17

Input Set : A:\2006-08-07 3493-0157PUS1.txt
Output Set: N:\CRF4\08182006\J565009.raw

```
        266      or absent
        268 <220> FEATURE:
        269 <221> NAME/KEY: MOD_RES
        270 <222> LOCATION: (6)..(6)
        271 <223> OTHER INFORMATION: AMIDATION
        273 <400> SEQUENCE: 9
W-->    275 Xaa Xaa Xaa Gly His Lys
        276 1               5
        279 <210> SEQ ID NO: 10
        280 <211> LENGTH: 6
        281 <212> TYPE: PRT
        282 <213> ORGANISM: Artificial sequence
        284 <220> FEATURE:
        285 <223> OTHER INFORMATION: Synthetic Peptide
        287 <220> FEATURE:
        288 <221> NAME/KEY: MOD_RES
        289 <222> LOCATION: (1)..(1)
        290 <223> OTHER INFORMATION: BLOCKED
        292 <220> FEATURE:
        293 <221> NAME/KEY: misc_feature
        294 <222> LOCATION: (1)..(3)
        295 <223> OTHER INFORMATION: Xaa is Lys, MeLys, or a bond and up to three residues may be
        296      present or absent
        299 <400> SEQUENCE: 10
W-->    301 Xaa Xaa Xaa Gly His Lys
        302 1               5
        305 <210> SEQ ID NO: 11
        306 <211> LENGTH: 6
        307 <212> TYPE: PRT
        308 <213> ORGANISM: Artificial sequence
        310 <220> FEATURE:
        311 <223> OTHER INFORMATION: Synthetic Peptide
        313 <220> FEATURE:
        314 <221> NAME/KEY: MOD_RES
        315 <222> LOCATION: (1)..(1)
        316 <223> OTHER INFORMATION: BLOCKED
        318 <220> FEATURE:
        319 <221> NAME/KEY: misc_feature
        320 <222> LOCATION: (1)..(3)
        321 <223> OTHER INFORMATION: Xaa is Lys, MeLys, or a bond and up to three residues may be
        322      present or absent
        324 <220> FEATURE:
        325 <221> NAME/KEY: MOD_RES
        326 <222> LOCATION: (6)..(6)
        327 <223> OTHER INFORMATION: AMIDATION
        329 <400> SEQUENCE: 11
W-->    331 Xaa Xaa Xaa Gly His Lys
        332 1               5
        335 <210> SEQ ID NO: 12
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RAW SEQUENCE LISTING ERROR SUMMARY   DATE: 08/18/2006
PATENT APPLICATION: US/10/565,009   TIME: 09:05:19

Input Set : **A:\2006-08-07 3493-0157PUS1.txt**
Output Set: **N:\CRF4\08182006\J565009.raw**

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

```
Seq#:1; Xaa Pos. 1,2,3,7,8,9,10,11
Seq#:2; Xaa Pos. 1,2,3,7,8,9,10,11
Seq#:3; Xaa Pos. 1,2,3,7,8,9,10,11
Seq#:4; Xaa Pos. 1,2,3,7,8,9,10,11
Seq#:5; Xaa Pos. 5
Seq#:6; Xaa Pos. 4
Seq#:7; Xaa Pos. 5
Seq#:8; Xaa Pos. 1,2,3
Seq#:9; Xaa Pos. 1,2,3
Seq#:10; Xaa Pos. 1,2,3
Seq#:11; Xaa Pos. 1,2,3
```

VERIFICATION SUMMARY　　　　　　　　　DATE: 08/18/2006
PATENT APPLICATION:　**US/10/565,009**　　　TIME: 09:05:19

Input Set : **A:\2006-08-07 3493-0157PUS1.txt**
Output Set: **N:\CRF4\08182006\J565009.raw**

```
L:11 M:270 C: Current Application Number differs, Replaced Current Application Number
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:46 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:172 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:230 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:250 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:275 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:301 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:331 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
```